Unde

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

control number. Substitute is company SAIPTO Complete if Known **Application Number** 10/780,818 **INFORMATION DISCLOSURE** 2/18/2004 Filing Date STATEMENT BY APPLICANT **First Named Inventor Backes** (use as many sheets as necessary) Art Unit **Examiner Name** Not yet known 1 Attorney Docket Number Sheet of 160-048

		- · · · · · · · · · · · · · · · · · · ·	U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document.	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/11/		US-5,963,848	10/05/1999	D'Avello	
/117/		US-5,606,727	02/25/1997	Ueda	
		US-			
		US-			·
		US-			
	·	US-			
		US			
		US-			
		US-			

		FOREIG	N PATENT DOC	UMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7
		Country Code - Namber - Nino Code (a Mown)			и листин присотфрен	+
		·				1
						4
						+
						t
			1			I
						1
						+

Examiner	/Tan Trinh/	Date	
Signature	7 TOTAL TITLING	Considered	03/31/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MAY 2 7 2005

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Pape Awork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

piroi number.	<u> </u>					
Substitut	g for form 1449A/I	EMENT BY APPLICANT	Complete if Known			
THE ETTER	•			Application Number	10/780,818	7
INFORMATION DISCLOSUR STATEMENT BY APPLICAN (use as many sheets as necessary)	.OSURE	Filing Date	2/18/2004			
ST	FATEMENT B	Y APP	LICANT	First Named Inventor	Backes	
1	(use as many shee	ets as nec	cessary)	Art Unit		
				Examiner Name	Not yet known	
Sheet	1	of	1	Attorney Docket Number	160-048	

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/TT/		US-5,493,694	02/20/1996	Vlcek et al.	
		US-6,268,537	07/24/2001	Kashitani et al.	
7117		US-2004/0054767	03/18/2004	Karaoguz et al.	
		US-			
		US-			
,		US-			
	L	US-			
		US-			

		FOREIG	N PATENT DOC	UMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
						土
	ļ					+
						+
						\bot
						+-
	 					┼

Examiner	/Tan Trinh/	Date	
Signature	7.43.711110	Considered 03/31/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

*Enter Office that issued the document, by the two-letter code (WIPO Standard ST,3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

10/25/05

Ξ..

705-0ct-25 12:4

12:45pm

From-Steubing, McGuiness & Manaras LLP

978 284 9119

T-276 P.005/005 F-807

PTC/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0681-0031
U.S. Perent and Tredemark Office; U.S. DEPARTMENT OF COMMERCE

- - Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

control number. Substitute for form 1449A/PTO Complete if Known 10/780,818 Application Number-INFORMATION DISCLOSURE 02/18/2004 Filing Date Backes STATEMENT BY APPLICANT First Named Inventor (use as many sheets as necessary) Art Unit Unknown Examiner Name 160-048 of Attorney Docket Number Sheet

· ·			U.S. PATE	NT DOCUMENTS	
		Document Number	Publication Date	Name of Patentee or	Pages, Courris, Lines, Where
Examiner Initials*	CEB,	Number - Kind Code ² (# known)	MON-CO-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
IIII		US-6,795,407	09/21/2004	Chesson	
/TT/		US-6,870,815	03/22/2005	McFartand et al.	
	L	us-			i_
		US-			
		us-	<u></u>	<u> </u>	
	<u> </u>	US-			
	<u> </u>	us-		<u> </u>	
	<u> </u>	US-			
	<u> </u>	us-			
	<u></u>	US-		<u></u>	
	1	us-			
	1	U\$-			
•	<u>i</u>	us	<u></u>		
		US-			
	<u></u>	us-	<u> </u>		
		US-	<u> </u>		
		US-		_	
	L	U\$-			,
	1	US-			<u> </u>
		us-			

		FOREIG	N PATENT DOC	UMENTS		
Examiner Wilsier	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁶ - Kind Code ³ (F Intern)	Publication Date MM-DD-YYYY	Name of Patentes or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ,
		Southary Good - House of - House of Britainy				1
	-					\dagger
					<u>.</u>	1
	_		· · · · · · · · · · · · · · · · · · ·			t
						Į
						t
						I
Examine Slonatur		/Tan Trinh/		Date Considered	03/31/2007	

"EXAMINER: Initial if reterence considered, whether or not diction is in conformance with MPEP 809. Draw line through citation if not in conformance and not possible of Include copy of this form with next communication to applicant.

Applicant's unique diction designation number (optional). "See Kinds Codes of USPTO Patent Documents at https://www.uspto.gov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). "For Japanese patent documents, the indication of the year of the reign of the Emperor must procede the sertal number of the patent document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English tanguage Translation is attached.

Burden Nour Statement. This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be cent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Examiner

Signature

/Tan Trinh/

TA TRADE

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB trol number.

Substitu	ite for form 1449A	PTO		Complet	e if Known
				Application Number	10/780818
11	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	SURE	Filing Date	2/18/2004	
S		CANT	First Named Inventor	Backes	
(STATEMENT BY APPLICANT (use as many sheets as necessary)		ssary)	Art Unit	
				Examiner Name	
Sheet	Sheet 1 of 2		2	Attorney Docket Number	160-048

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<u>/TT/</u>		US- 2004/0137915 A1	7/15/2004	Diener et al.	
		US- 2003.0207699 A1	11/6/2003	Shpak	
		US- 2002/0193113 A1	12/19/2002	Shibutani	
		US- 2002/0141375 A1	10/3/2002	Choi	
		US- 2003/0022686 A1	1/30/2003	Soomro et al.	
		US- 2002/0176437 A1	11/28/2002	Busch et al.	
		US- 2003/0002456 A1	1/2/2003	Soomro et al.	***************************************
		US- 2002/0060995 A1	5/23/2002	Cervelio et al.	***************************************
(1)		US- 6,741,863 B1	5/25/2004	Chiang et al.	
		US- 6,560,462 B1	5/6/2003	Ravi et al.	> 1 1
, i		US- 6,332,007 B1	12/18/2001	Wu et al.	***************************************
		US- 6,208,629 B1	3/27/2001	Jaszewski et al.	
		US- 6,198,924 B1	3/6/2001	Ishii et al.	> aa a a a a a a a a a a a a a a a a a
		US- 6,760,748 B1	7/6/2004	Hakim	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		US- 6,111,867	12/12/1997	Mann	······································
		US- 6,574,477	10/6/1999	Rathunde	
		US- 6,574,474	5/20/1999	Nielson	······································
		US- 6,732,163	1/5/2000	Halasz	· · · · · · · · · · · · · · · · · · ·
		US- 6,215,779	9/22/1998	Bender	***************************************
		US- 6,636,737	4/10/2000	Hills	4
		US- 6,738,599	3/14/2002	Black	
		US- 6,522,881	3/8/2000	Feder	
_/TT/		US- 6,208,629	3/10/1999	Jaszewski	

		FOREIC	SN PATENT DOC	UMENTS		
		Foreign Patent Document			Pages, Columns, Lines,	Т
Examiner Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁶ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
********	<u> </u>					Τ
	I				***************************************	ľ
			,		***************************************	Ť
**********	Ī	?************************************) ************************************	***************************************	***************************************	t.
**********		}*************************************	••••••••••••	***************************************	***************************************	t
***********		***************************************			***************************************	ł٠
***********	!	***************************************		•••••••••••••••••		ł٠
• • • • • • • • • • • • • • • • • • • •	ļ	***************************************		*************************************	***************************************	ŀ
		***************************************	***************************************	***************************************	************************************	Į.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

Date

Considered

03/31/2007

*EXAMINER: Initial if reference considered, whether or not clation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Vind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement. This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB trol number.

Substitute for form 1449B/PTO				Complete if Known		
				Application Number	10/780818	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	2/18/2004	
				First Named Inventor	Backes	
				Group Art Unit		
(coo do many anota do modeally)				Examiner Name	1/4/	
Sheet	2	of	2	Attorney Docket Number	160-048	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initiats*	Car No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
/TT/		IEEE, Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications, Standard 802.11, 1999 edition, Reference number ISO/IEC 8802-11:1999(E), 528 Pages.	
/TT/	•	MICHAEL BARR, "Toward a Smaller Java", Embedded.com, June 14, 2002, Pages 1-9.	T
/TT/		Moustafa Youssef, "Handling Samples Correlation in the Horus System", IEEE INFOCOM 2004	
/TT/		Kin K. Leung, "Integrated Link Adaptation and Power Control for Wireless IP Networks", AT&T Labs - research , January 19, 2000.	-
/TT/		Ana Zapater et. Al., "Development and implementation of a Bluetooth Networking Infrastructure for the a Notebook – University Scenario", Institute of Communications Engineering, University of Hannover, May 13, 2003.	
/TT/		Walter Klotz, "Graph Coloring Algorithms", 1999.	
/TT/		Brent N. Chun et. Al., "Market-based Proportional esource Sharing for Clusters", University of California at Berkeley computer Science Division, September 1999.	
/ΤΤ/		The Four Color Theorem, Web page, author(s) unknown, updated November 13, 1995.	•
***************************************	**********		*****

Examiner	/Tan Trinh/	Date	03/31/2007
Signature		Considered	00/01/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.